

WHAT IS CLAIMED IS:

1. In an vehicle having a riding space for an occupant, a shock absorbing structure for vehicles comprising:

a bumper member extending substantially along the length of the vehicle for receiving an external force heading from a front side of the vehicle to the occupant; and

a shock absorbing member connected at rear ends of the bumper member.

2. The shock absorbing structure for a vehicle according to claim 1, wherein the crushing amount of the shock absorbing member is referred to as an effective crushing length of the shock absorbing member, the effective crushing length is the length from the front end of the vehicle body to the front end of the riding space.

3. The shock absorbing structure for a vehicle according to claim 1, wherein the bumper is a U-shaped member that includes a front portion for engaging an obstruction and rearwardly extending portions that project rearwardly from the front portion of the bumper, said rearwardly extending portions being disposed adjacent to shock absorbing members for absorbing a shock during an accident.

4. The shock absorbing structure for a vehicle according to claim 3, wherein the shocking absorbing members are of a predetermined length that corresponds to a distance between the front portion of the bumper to a front portion of the vehicle riding space.

5. In an vehicle having a riding space for an occupant, a shock absorbing structure for vehicles comprising:

a bumper member extending from a front of the vehicle and substantially along sides of the riding space for receiving an external force heading from the front to the occupant and for absorbing a side force; and

a shock absorbing member connected at the rear ends of the bumper member.

6. The shock absorbing structure for a vehicle according to claim 5, wherein the crushing amount of the shock absorbing member is referred to as an effective crushing length of the shock absorbing member, the effective crushing length is the length from the front end of the vehicle body to a front end of the riding space.

7. The shock absorbing structure for a vehicle according to claim 5, wherein the bumper is a U-shaped member that includes a front portion for engaging an obstruction and rearwardly extending portions that project rearwardly from the front portion of the bumper, said rearwardly extending portions being disposed adjacent to shock absorbing members for absorbing a shock during an accident.

8. The shock absorbing structure for a vehicle according to claim 7, wherein the shocking absorbing members are of a predetermined length that corresponds to a distance between the front portion of the bumper to a front portion of the vehicle riding space.

9. A shock absorbing structure for a vehicle for absorbing an impact by having a shock absorbing body projecting from a vehicle body crushed during impact, the shock absorbing body comprising:

an upper shock absorbing member disposed on an upper side; and

a lower shock absorbing member disposed below the upper shock absorbing member;

wherein the upper and lower shock absorbing members are formed of two

types of members having different crushing features.

10. The shock absorbing structure for vehicles according to claim 9, wherein the lower shock absorbing member is easily deformable by a low-load in comparison with the upper shock absorbing member.

11. The shock absorbing structure for vehicles according to claim 9, wherein the two members are constructed of foamed resin of the same material but different in crushing feature due to a difference in density.

12. The shock absorbing structure for vehicles according to claim 9, wherein said shocking absorbing body has an angular C-shape.

13. The shock absorbing structure for vehicles according to claim 9, wherein said upper shock absorbing member is spaced a predetermined distance relative to said lower shock absorbing member.